

EXHIBIT 17

BOX J

1 ANTISENSE M17-1 PREP 4

2 SENSE "

3 MUTANT 4IBB HIND III - BGII APTAGS

8

12

4 " 5 M17-1 RI-BAMH1/pGEX 3 15

6 " 16

7 M17-1 15 pGEX 3 TOPP1

8 " TOPP2

9 " JM105

10 M17-1 16 pGEX 3 TOPP1

11 " TOPP2

12 " JM105

13 ABSORTI CND12/PLASMID

14 " .

1

[VECTORS]

1 pYIM PST 1-R1-XHO 1

2 " SEQ CONFIRM

3 pYIM

4 pGEM 7Z F

5 BOVINE PAPILLOMA VIRUS VECTOR

6 pBLUESCRIPT

7 pYIM PST 1-R1-XHO 1

8 pGEM 5Z F

9 pBLUESCRIPT

10 BOVINE PAPILLOMA VIRUS

11 pUC 19

12 PREP 4

13 pBR322

14 pGEM 3Z

15 pCDNA 1

16 APTAG

[BACTERIA STRAINS]

1 INVITROZEN TOP 10 F+

2 "

3 JA105 24 Y1090

4 TOPP 6 25 NM539

5 TOPP 5 26 PLK17

6 TOPP 4 27 NM538

7 TOPP 3 28 P2P1K17

8 TOPP 2 29 M2061

9 TOPP 1

10 X4 BLUE

11 MC1061 p3

12 Y1090

13 1

14 K802

15 NM539

16 LE 392

17 P2392

18 NM538

19 K802

20 MC1061

21 11

22 K812

23 NM538

BOX
II

BACTERIA + PLASMID

MOUSE δ INF

(2625B/pXM WRONG OR (2-3))

HUMAN COS 7B

(2625B/pXM WRONG OR (54))

HUMAN β PROTEIN C 1.2KB / 72F

PBM PSTI - RI XHOI PREL 34

IL-11 SAC 1.8 KB

(2625B/0160) REV55(2-4)

HUMAN COS 14 KM

(2625B/XHOI 1.8 KM

IL-11 SAC 1.4 KB / 72F

2625C (0160) - 72F

(2625C 1.8 / 72F)

J-1 IN PBR

B-1 IN PBR

17-1 SP01 0.8 KB / 72F

(2625B (0160) REV55 WRONG OR (2-3))

BPI R1, PAC 19, M10, (1-4)

PBM PSTI - RI XHOI SEQ CONFIRMED

PKK 223-3 IL-2 MP10 JMM05

BRENT S7706 R1 / 72F

P9 14-L PTH82, JMM105

CTIC 12410 3 R1 / 72F

SL3 R1 / PBS

HUMAN COS 14 KM

17410/PL0182/JMM105

IL-2/PL0182/PKK 223-3 JMM05

12625-2 n91

12925 NCB 5' F

CTIC S365 1 R1 0.5 KB / 72F

BRENT S7702 R1 / 72F

SP1/PBS

LUCIFERASE/pCMV 2631

LUCIFERASE/pRSV H630

MOGE 41BB RN 3 NCOI 0.85 KB / 5' F

MOGE 41BB RX SP1 0.9 KB / 72F

L2025 B (G425 B1-2) 1 72F

(2625B/pREV55 (3-5))

PRES E514 XHOI - RI / pEV55

IL-2/HPI01/PLKK 223-3 JMM105

MOGE 41BB M2 R1 1 KB / 72F

41BB R1-XHOI 0.6 KB / PBS

OCTO 52 4 R1 / 72F

CTIC S265 (2) R1 0.5 KB / 72F

41BB RL / pXM M10

41BB R1 / pXM R10

LCK EXPRESSION CONSTRUCT R1 1.7

MOGE 41BB NCB SACI DRA1 / 72F TYPE II 5' UTR

MOGE 41BB NP2 CACI-XBA1 / 72F TYPE I 5' UTR

0.6 KB

41BB S / pRS2A

BACTERIA + PLASMID BOX III

LCK STU1

LCK RRR

ICK C2 D.825

BS LCK CDS

Δ 10-33 1C1

YIBB AI PBS W.O.

YIBB R PBS R.O.

MUSE II 2 GENE BGL I NOD3 0.6 KB

MGE YIBB SPC1-NCD-1 348/172f [REDACTED]

MGIC S13 5 P1/172f

HUGE 17410 SPC1 6 KB / 172f

SECRETORY ALKALINE PHOSPHATASE SEQ?/COV. [REDACTED]

BAGN 5770 8 R1 348/172f

MGE YIBB TYPE II 5' UTR

17410 SILVER CHAMPANT (3)

L2925B (DL160) PEV555 W.O. (32)

L2925 XMMI R1

BK IN PBR

SILVER 171 (5) 172f

YIBB/PEV555 #2

YIBB PAR998 #3

" R1

T73c

* 13 5

PBS SK-

T751

* 17 3

"

SEQ CONFIRMED

CORRECT

→ THIS CLONE HAS 2 INSERTS USE DM

MGE YIBB NP2 SPC1 1.8 KB / 172f

MGE YIBB NP2 SPC1 2.8 KB / 172f

MGE YIBB NP2 SPC1 5.5 KB / 172f

YIBB #8 R1 1.3 KB / 172f

HUGE 5770 12 SPC1 5.5 KB / 172f

MGE YIBB HE 5 SPC1 5.5 / 172f

MGE YIBB HE 5 SPC1 1.8 KB / 172f

5 BOUNDARY PEP FRAG # 23-44

5! BOUNDARY PEP FRAG # 8-570

L2625C (DL160) R1 0.6 KB / 172f

HUGE 5770 12 DUNCI 2.8 / 172f

HUGE 5770 12 NELL 3.9 KB / 172f

HUGE 5770 12 SPC1 5.5 KB / 172f

MGE YIBB RX SPC1 3.2 KB / 172f

YIBB ALIAS MUNIZ B6 II [REDACTED]

SEQ CONFIRMED

BPAH-1-BGL D. DL160 SPC1 / 172f

PEP A (DL160) " 42

L2625 C 8 R1-BGL D 0.6 KB / 172f / 1392

L2625 C (DL160) R1 0.6 KB / PPL1392

5 BOUNDARY PEP FRAG # 19-640

PEP A (DL160) " 1

GPR A1 PBS

TRYPTOPHAN HYDROXYLASE TRH

C-MYC

TYROSINE HYDROXYLASE TH

COL 1010 W.O.

LOE PEV55 R.O.

UK PEV55 W.O.

1 MOGE 41BB NP2 SAC1 0.4/72f [REDACTED]
 2 MOGE 41BB RX SAC1 17/72f [REDACTED]
 3 MOGE 41BB NP2 SAC1 18/72f [REDACTED]
 4 MOGE 41BB NP2 SAC1-NCO1 34/72f [REDACTED]
 5 MOGE 41BB NP2 SAC1 2.8 KB/72f [REDACTED]
 6 MOGE 41BB HE6 SAC1 1 KB/72f [REDACTED]
 7 MOGE 41BB RX SAC1 0.9 KB/72f [REDACTED]
 8 MOGE 41BB RX SAC1 2.2 KB/72f [REDACTED]
 9 MOGE 41BB HES DRA1 0.8 KB/72f [REDACTED]
 10 MOGE 41BB HE5 HAE III 0.8 KB/72f [REDACTED]
 11 MOGE 41BB HE5 PST1 24B/3Z [REDACTED]
 12 MOGE 41BB NP2 SAC1-NCO1 17/72f [REDACTED]
 13 MOGE 41BB RX SAC1 3.2/72f [REDACTED]
 14 MOGE 41BB NP2 SAC1-DRA1 0.4/72f TYPE II 5' UTR [REDACTED]
 15 MOGE 41BB NP2 SAC1-XBAI 12/72f TYPE I 5' UTR [REDACTED]
 16 " [REDACTED]
 17 MOGE 41BB NP2 SAC1 5.5 KB/72f [REDACTED]
 18 MOGE 41BB AN (3) NCO1 0.85/5Zf [REDACTED]
 19 41BB /P/X117 [REDACTED]
 20 41BB RI /P17 [REDACTED]
 21 41BB DE155 RI-XBAI/172f 150 bp [REDACTED]
 22 41BB 3MAP TYPE II UTR RI-PST1 258 bp/32f [REDACTED]
 23 41BB RI-XBAI PB3 [REDACTED]
 24 41BB RI-XBAI/PB3/72f [REDACTED]
 25 41BB P2/1392 [REDACTED]
 26 41BB XHO1-RI 0.6 KB /PXM [REDACTED]
 27 41BB PPTAG JWX/72f [REDACTED]
 28 41BB H8 3MAP 1.3/72f [REDACTED]
 29 41BB L MINUS AP PPTAG [REDACTED]
 30 41BB S MINUS AP PPTAG " [REDACTED]
 31 HUMAN 41BB PPTAG HINDIII-BSP1 II [REDACTED]
 32 41BB RI 12 /PMS [REDACTED]

FRAGMENTS

- 1 41BB #8 RI FRAG
- 2 41BB XbaI-RI FRAG
- 3 41BB RI FRAG
- 4 "
- 5 41BB PST1 122 bp FRAG
- 6 41BB Nco1-PST1 110 bp FRAG
- 7 41BB PST1 90 bp FRAG
- 8 MOGE 41BB NP2 SAC1 5.5 KB/72f
- 9 MOGE 41BB RX SAC1 17 FRAG

1 HUGE S770 12 SPC1 55/72f [REDACTED]
 2 HUGE S770 12 RI 15/72f
 3 HUGE S770 6 HINC 800/32 [REDACTED]
 4 HUGE S770 12 SPC1 3.8/72f
 5 HUGE S770 12 RI 1.5/72f
 6 HUGE S770 12 SPC1 3.8/72f
 7 ~~CHEAT 34~~ FFM Huge S770 12 NC1 1 3.4 KB/72f
 8 Huge S770 12 HINC 1.6 KB/72f [REDACTED]
 9 Huge S770 12 SPC1 55/72f [REDACTED]
 10 Huge S770 12 RI 1.5/1.7A 10 (D) SPC1 6 KB/72f
 11 Huge 17A10 (B) SPC1 3.8A/72f [REDACTED]
 12 Huge S770 12 SPC1 3.8 KB/72f [REDACTED]
 13 Huge 17A10 7 HINC II 1.7 KB/32 [REDACTED]
 14 PMEL 17A10/PXM FULL LENGTH [REDACTED]
 15 PMEL 17A10 (R) 1/72f [REDACTED]
 16 PMEL 17A10 P14821 [REDACTED]
 17 PMEL 141 P14821 [REDACTED]
 18 BRENT S770 7 RI 0.6 KB/72f [REDACTED]
 19 BRENT S770 6 RI 2 KB/72f [REDACTED]
 20 BRENT S770 1 RI 3 KB/72f [REDACTED]
 21 BRENT S770 3 RI 1.2 KB/72f [REDACTED]
 22 BRENT S770 8 RI 3 KB/72f [REDACTED]
 23 HUMAN TYROSINASE/PXM
 24 "
 25 HUMAN TYROSINASE 341/72f
 26 MOUSE TYROSINASE + PREMoter PCR P14821
 27 BRENT H 3 + 341
 28 MOUSE TYROSINASE PROMoter + CPMP/32f
 29 MTY E11C
 30 MTY E11C + SCHULTZ FRAGMENT
 31 C57 PCR 1.3/72f
 32 "
 33 SILVER PCR 1.3/72f
 34 "
 35 "
 36 C57/B6 PCR 1.3/32f
 37 MTYR PROMoter /72f
 38 CTL+C S365 17A10 (D) RI 0.5 KB/72f [REDACTED]
 39 CTL+C S365 17A10 (D) RI 0.5 /72f [REDACTED]
 40 CTL+C 17A10 (D) MOUSE 17A1/72f [REDACTED]
 41 "

92 SILVER 17-1 (3) RI 248/72F

93 " "

94 " "

95 " "

96 " "

97 " "

98 " 1. INSERT ONLY

99 SILVER 17-1 /P/B5

50 HUMAN 17-1 B3726 /PREP4 ANTISENSE

51 " SENSE

52 HUMAN 17-1 17410 /PREP 4 ANTISENSE

53 " SENSE

54 HUMAN TYROSINASE /PREP 4 ANTISENSE

55 " SENSE

56 MOUSE 17-1 /PREP 4 SENSE

57 HUMAN A PROTEIN 17-1 CONP/72F

58 " "

59 HUMAN B PROTEIN 17-1 CONP/72F

60 HUMAN B PROTEIN 17-1 CONP/72F

61 HUMAN A PROTEIN 1 RI 248/72F

62 " "

63 ADULT OPIA

- FRAGMENTS

1 MOUSE 17-1 CONP RI FRAG

2 " "

3 " RI-BPM-1 FRAG

4 17#10 RI FRAG

5 17#10 B3726 RI FRAG

6 TYROSINASE RI FRAG

7 HUMAN B PROTEIN RI FRAG

1	PBM 7	SVR PBM 7	1	IL 3 RECEPTOR	4	LCK RY/p
2	PRV Y/P		2	PRSV BFT	91	LCR/pFV55
3	P CONV		3	C-RBP	92	" WRONG
4	PBR322		4	PRSV OPT	93	LCR/pXm
5	"		5	PRSV AED	94	" WRONG
6	PPVUO NEO		6	"	95	A20
7	P GEM 32 HMG TO		7	LYMPHOTIXIN	46	"
8	P GEM 72f SMC X		8	TURMUN		
9	PABM 72f HMG II BOMH II		9	"		
10	P GEX 3.1		10	CHICKEN MM		
11	P BLUE SCRAT		11	ILK NA SPG 1 4KB		
12	SSV9		12	IL-11 SPG 1 18 KB		
13	P GEM 72f MMH II		13	"		
14	OPAVIAD		14	B-1		
15	SSV9 SVAZ01		15	J-1		
16	PRP 4		16	8 INF		
17	PABM 5		17	"		
18	PBR322		18	25 52f		
19	PKM RI-XHO		19	12525		
20	CMV SEAP		20	S13 RI / PRS		
21	P YMM		21	L2095 #4		
22	PWV 19		22	12625 ATE 10Xm		
23	"		23	L2075 #71		
24	P GEM 52f		24	PPF 2A NAE V-SPG 1 03/15A2		
25	P ABM CONV RI-XHO		25	L2025B (OLIGO) pEV55		
26	PVK55 RI		26	L2625B1C pEV55		
27	PVM RI		27	L2025 C (OLIGO) pV1/392		
28	PPTRG BGL II		28	PPF 3A SMC 1-SAC 1 0118 / 22f		
29	PIC 19		29	721 BATHI PBLT GLGO		
30	PYC 19		30	PKA223-3 IL-2-HP10		
31	PPTRG		31	MOUSE TRANSVERSE		
32	52f PBM 52f		32	HP10 RI / PUC 19		
33	"		33	SEAP CMV		
34	P BLUE SCRAT		34	LCK/pEV55		
35	P YM RI		35	"	WRONG ORIENT	
36	BOVINE PAPVIRUS VECTOR		36	LCR/pYM		WRONG ORIENT
37	"		37	"	WRONG ORIENT	
38	P GEM 72f		38	PPF 7A (OLIGO)		
39	P GEM 72f 18P1		39	L2025 C7B PVE137.2		

1 HUMAN B PROTEIN λ₅TII ①

2 "

3 "

4 "

5 "

6 "

7 "

8 "

9 "

10 ~~SILVER~~ SILVER ADME 17-1 λ ZAP 711 SILVER PAMEL 17-1 ① λ₅TII [REDACTED]

12 "

13 "

14 "

15 "

16 "

17 "

18 "

19 "

20 "

21 BRENT S720 ① λ₅TII

22 "

23 "

24 "

25 "

26 "

27 OTYC 17#10 ② λ₅TII

28 "

29 "

30 OTYC S365 813 ④ λ₅TII

31 "

32 "

33 OTYC S365 17#10 ① ~~λ~~ λ₅TII

34 BCGF 15-2

35 BCGF 17-1

36 17#10 ① λ FIX II

37 "

38 17#10 319 λ FIX II

39 "

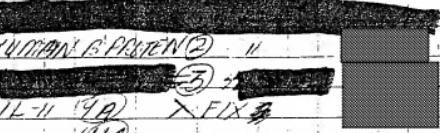
40 17#10 7 "

41 17A10 ⑧ X FIX II [REDACTED] 40
42 HU5E 5770 ⑥ EMBL 3 [REDACTED]
43 " ⑪ " "
44 " ⑫ " "
45 ~~HUMAN~~ HUMAN TYROSINASE ① X FIX II [REDACTED]
46 " ② " "
47 " ③ " "
48 " ④ " "
49 TYP E3 H2 EMBL 3
50 " H6 EMBL 3
51 HUMAN 8 PROTEIN ① X FIX II [REDACTED]
52 " ② " "
53 MGF 418B NPI EMBL 3 [REDACTED]
54 RN 1 [REDACTED]
55 H2 "
56 H3 "
57 H5 "
58 H6 "
39 A20 X 87 III [REDACTED]

[GENOMIC DNA]

- 1 RATT
- 2 C57BL MOUSE [REDACTED]
- 3 SKYER

RACK IN 40

1	TYROSINASE	1	X FIX II	
2	"	(1)	"	
3	"	(2)	"	
4	"	(3)	"	
5	TYROSINASE	(1)	"	
6	"	(2)	"	
7	"	(3A)	"	
8	(GBY)	"		
9	"	(1)	"	
10	"	(2)	"	
11				
12	HUMAN GASTRO	(2)	"	
13				
14	EMBL3			
15	IL-11 (9A)	X FIX II		
16	TYROSINASE	E3 (2)	EMBL3	
17	"	(1)	"	"
18	HUGE ST70	(6)	EMBL3	
19	"	(1)	"	
20	"	(2)	"	
21	BRENT ST70	(1)	X STII	
22	"	(2)	"	"
23	"	(3)	"	
24	"	(4)	"	
25	"	(7)	"	
26	"	(8)	"	
27	OTL10 S23	(1)(4)	X STII	
28	"	(1)(5)	"	"
29	"	(1)(6)	"	"
30	OTL10 S21H10(2)	X STII		
31	"	(3)	"	"
32	"	(4)	"	"
33	PHAGETRID PBS	SILVER DUST PNT		
34	SILVER 17-1	(3)	X g7II	
35	OTL10 S365 17H10	(1)	X g7II	
36	"	(2)	"	
37	SILVER 17-1	(1)	X g7II	
38	"	(2)		
39	"	(3)		
40	"	(4)		

41 SILVER PIPER 171 (5) λ 8711 RACK IN 40
42 " 6 "
43 " 7 "
44 " 8 "
45 " 10 "
46 " 11 "
47 MOGE 4188 RX (3) EMB3
48 " RN (3) "
49 " NAV "
50 " NP2 "
51 MOGE 4188 E3 "
52 EH "
53 MOGE 4188 HE2 "
54 HE3 "
55 HE5 "
56 HE6 "

BOX VIII

- 1 CLONTECH HUMAN TCELL λST11
- 2 " MOUSE BONE LYMPHOBLAST λST11
- 3 " HUMAN BRAIN λST11
- 4 HUMAN GENOMIC EMBL3
- 5 MOUSE GENOMIC EMBL3
- 6 REHFCHY BRENT λST11
- 7 CLOUDMAN + CTLL + EL-4 λST11
- 8 ~~CLONTECH~~ CLONTECH MOUSE BRAIN λST11
- 9 STRATAGENE HUMAN GENOMIC λST11

1 DR KWON'S PERIPHERAL BLOOD LYMPHOCYTE

BOX IX

2 "

3 EG DODD

4 "

5 "

6 "

7 "

8 "

9 "

10 "

11 "

12 ANGIE ALBINO

13 "

14 D NO CELL

15 "

16 F1 CELL

17 "

18 PB JLZ STIM

19 "

20 K1735 POLYIA

21 K1735

22 "

23 CTLOZ

24 K1735

25 BALB C KIDNEY

26 BRENDAN SEARS

27 STILLING

28 EDDIE DALTON

29 EMMA BENNINGTON

30 KEVIN CONNOLY

31 KELSEY DALTON

CELL LYSATES

1 SINKER

2 ZAK

3 STILLING

4 "

5 PERI

6 K1735

7 B16